

LIMITED WARRANTY

For one year from the date of original retail purchase, YARD-MAN COMPANY will either repair or replace, at its option, free of charge, F.O.B. factory or authorized service firm, any part or parts found to be defective in material or workmanship. Transportation charges under this warranty must be paid by the purchaser unless return is requested by YARD-MAN COMPANY.

This warranty will not apply to any part which has become inoperative due to misuse, excessive use, accident, neglect, improper maintenance, alterations, or unless the unit has been operated and maintained in accordance with the instructions furnished. This warranty does not apply to the engine, motor, battery, battery charger or component parts thereof. Please refer to the applicable manufacturer's warranty on these items.

This warranty will not apply where the unit has been used commercially.

Warranty service is available through your local authorized service dealer or distributor. If you do not know the dealer or distributor in your area, please write to the Customer Service Department of Yard-Man.

The return of a complete unit will not be accepted by the factory unless prior written permission has been extended by YARD-MAN.

This warranty gives you specific legal rights. You may also have other rights which vary from state to state.



TO PURCHASERS OF INTERNAL COMBUSTION ENGINE EQUIPPED MACHINERY OR DEVICES IN THE STATE OF CALIFORNIA

The equipment which you have just purchased does not have a spark arrester. If this equipment is used on any forest covered land, brush covered land, or grass covered unimproved land in the State of California, before using on such land, the California law requires that a spark arrester be provided. In addition, spark arrester is required by law to be in effective working order. The spark arrester must be attached to the exhaust system and comply with Section 4442 of the California Public Resources Code.



To reduce the potential for any injury, comply with the following safety instructions. Failure to comply with the instructions may result in personal injury.

SAFE OPERATION PRACTICES FOR RIDING VEHICLES

- It is suggested that this manual be read in its entirety before attempting to assemble or operate this unit. Keep this manual in a safe place for future reference and for ordering replacement parts.
- This unit is a precision piece of power equipment, not a plaything. Therefore exercise extreme caution at all times.
- Know the controls and how to stop quickly— READ THIS OWNER'S MANUAL.
- Do not allow children to operate vehicte. Do not allow adults to operate it without proper instruction. Only persons well acquainted with these rules of safe operation should be allowed to use your mower.
- 5. Do not carry passengers.
- 6. Keep the area of operation clear of all persons, particularly small children and pets. Stop engine when they are in the vicinity of your mower. Although the area of operation should be completely cleared of foreign objects, a small object may have been overlooked and could be accidently thrown by the mower in any direction and cause injury.
- Clear work area of objects which might be picked up and thrown by the mower in any direction and cause injury.
- Stop the blade(s) when crossing gravel drives, walks or roads.
- Disengage all attachment clutches and shift into neutral before attempting to start engine.
- Disengage power to attachment(s) and stop engine before leaving operating position.
- Do not put hands or feet near or under rotating parts. Keep clear of the discharge opening at all times as the rotating blade(s) can cause injury.
- 12. Disengage power to attachment(s) and stop engine before making any repairs or adjustments. Disconnect the spark plug wire and keep the wire away from the plug to prevent accidental starting.
- 13. Before attempting to unclog the mower or discharge chute, stop the engine. The mower blade(s) may continue to rotate for a few seconds after the engine is shut off. Therefore, be sure the blade(s) have stopped completely. Disconnect the spark plug wire and keep the wire away from the plug to prevent accidental starting.
- 14. Disengage power to attachment(s) when transporting or not in use.
- 15. Take all possible precautions when leaving vehicle unattended such as disengaging power-take-off, lowering attachments, shifting into neutral, setting parking brake, stopping engine and removing key.
- 16. Do not stop or start suddenly when going uphill or downhill. Mow up and down face of steep slopes; never across the face.
- Reduce speed on slopes and in sharp turns to prevent tipping or loss of control. Exercise extreme caution when changing direction on slopes.

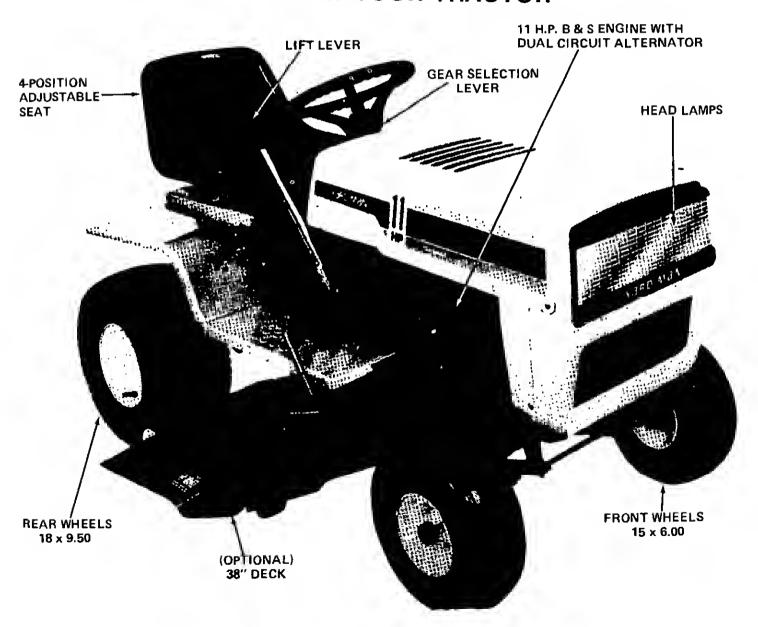
- Stay alert for holes in terrain and other hidden hazards.
- Use care when pulling loads or using heavy equipment.
 - A. Use only approved drawbar hitch points.
 - B. Limit loads to those you can safely control.
 - C. Do not turn sharply, Use care when backing.
 - Use counterweight(s) or wheel weights when suggested in owner's manual.
- 20. Watch out for traffic when crossing or near roadways.
- When using any attachments, never direct discharge of material toward bystanders nor allow anyone near vehicle while in operation.
- Handle gasoline with care, It is highly flammable.
 - A. Use approved gasoline container.
 - B. Never remove cap or add gasoline to a running or hot engine or fill fuel tank indoors. Wipe up spilled gasoline.
 - C. Open doors if engine is run in garage. Exhaust fumes are dangerous. Do not run engine indoors.
- Keep the vehicle and attachments in good operating condition, and keep safety devices in place. Use guards as instructed in owner's manual.
- Keep all nuts, bolts, and screws tight to be sure the equipment is in safe working condition.
- 25. Never store the equipment with gasoline in the tank inside a building where fumes may reach an open flame or spark. Allow engine to cool before storing in any enclosure.
- To reduce fire hazard, keep engine free of grass, leaves or excessive grease.
- 27. The vehicle and attachments should be stopped and inspected for damage after striking a foreign object. The damage should be repaired before restarting and operating the equipment.
- Do not change the engine governor settings or overspeed the engine.
- 29. When using the vehicle with mower, proceed as follows:
 - (1) Mow only in daylight or in good artificial light.
 - (2) Never make a cutting height adjustment while engine is running if operator must dismount to do so.
 - (3) Shut the engine off and wait until the blade comes to a complete stop before removing the grass catcher.
 - (4) Check blade mounting bolts for proper tightness at frequent intervals.
- Check grass catcher bags frequently for wear or deterioration. For safety protection, replace only with new bag meeting original equipment specifications.
- 31. Look behind to make sure the area is clear before placing the transmission in reverse and continue looking behind while backing

3

INDEX

Limited Warranty2	Maintenance Cutting Deck
Safe Operation Practices	Troubleshooting Engine Problems
Know Your Tractor4	Allowance of Device of Texas o
Assembly	Illustrated Parts for Electrical System 2
Battery 5	Illustrated Parts for Lawn Tractor . 22,24,26,28,30
Tractor Assembly6	Parts List for Lawn Tractor 23.25.27.29 31
Attaching the Cutting Deck7	Mustrated Parts for Cutting Deck
Controls and Preliminary Checks8	Parts List for Cutting Deck
Operation	Illustrated Parts for Transaxle
Maintenance	Parts List for Transaxle 35
Off-Season Storage16	Parts Ordering Information Back Cover

KNOW YOUR TRACTOR



ASSEMBLY



This unit is shipped WITHOUT GAS-OLINE or OIL. After assembly, see operating section of this manual for proper fuel and engine oil recommendations.

The lawn tractor is packed and shipped in one container and is fully assembled except for the steering wheel, seat and battery.

BATTERY INFORMATION



- A. Battery acid must be handled with great care as it will blister the skin and damage clothing. It is advisable to wear goggles, rubber gloves, and a protective apron when working with it.
- B. If for any reason acid should be spattered in the eyes, wash it out immediately with clean cold water. Seek medical aid if discomfort continues.
- C. If acid gets on clothes, dilute it with clean water first, then neutralize with dilute ammonia water or a water solution of baking soda.
- D. Since battery acid is corrosive to metals, do not pour into any sink or drain. Rinse empty electrolyte containers and multilate before discarding.



BATTERIES CONTAIN SULFURIC ACID AND MAY CONTAIN EXPLOSIVE GASES (when electrolyte has been added)

- E. Keep sparks, flame, cigarettes away.
- F. Hydrogen gas is generated during charging and and discharging.
- G. Ventilate when charging or using in enclosed space.
- H. When using a charger—to avoid sparks, NEVER connect or disconnect charger clips to battery while charger is turned on.
- J. Always shield eyes, protect skin and clothing when working near batteries.

ACTIVATING THE BATTERY



If your battery is activated (electrolyte in the battery) and installed in the tractor go directly to step 9.

- 1. Place the battery to be filled on a workbench. Never activate a battery in the unit.
- 2. Remove the fill caps from all cells.
- 3. Fill each cell carefully using 1.265 specific gravity electrolyte. Fill each cell to the top of the separators. Do not overfill.
- 4. Let the battery sit for 20 minutes for the chemical reaction to take place.
- Charge the battery at a MAXIMUM RATE OF 5 AMPS. until the specific gravity reads 1.265. Use a hydrometer to check the specific gravity.



An excessive rate of charge will damage the battery.

- 6. Check the level of electrolyte. Adjust level to bottom of split ring if necessary with electrolyte.
- 7. Replace fill caps.
- 8. Once the battery has been activated never add anything except distilled water or a good grade of drinking water.
- If your battery has been installed in your unit at the factory:
 - A. Use a hydrometer to check the specific gravity. The specific gravity should be 1.265 at 80° F.
 - B. If it is less, remove the fill caps and use a battery charger to bring the specific gravity up to 1.265. NEVER CHARGE AT MORE THAN 5 AMPS.
 - Replace the fill caps.
 - D. The positive cable has been attached to the positive terminal of the battery at the factory. You only have to attach the negative cable (grounded) to the negative (Neg. N or -) terminal of the battery with a hex head bolt, lock washer and nut.

INSTALLING THE BATTERY

5



The positive battery terminal is marked Pos. (+). The negative battery terminal is marked Neg. (-).

- 1. Place the battery in the battery box with the terminals towards the rear of the tractor.
- Secure the battery with the two hold down rods, battery hold down. lock washers and wing nuts. See figure 1.

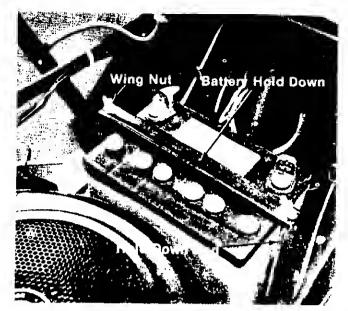


FIGURE 1.

- Attach the positive cable (from the starter solenoid) and the small wire (from the circuit breaker) to the positive battery terminal (+) with a ¼-20 x ¾" long bolt, lock washer and hex nut,
- 4. Attach the negative cable (grounded) to the negative battery terminal (-) with the other 1/4·20 x 3/4" long bolt, lock washer and hex nut.

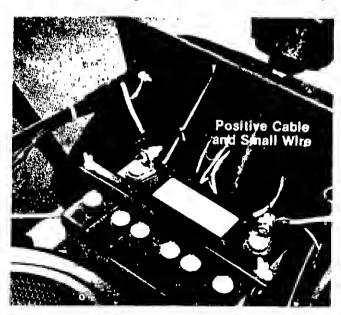


FIGURE 2.



The vented battery allows any gases or liquid from the battery to be carried to the rear of the tractor and onto the ground.

Route the rubber drain tube down beside the tractor trame so it drains onto the ground.

SEAT ASSEMBLY

The seat can be adjusted to four positions. With the seat tipped forward, hook the front of the seat spring into the slots on the tractor frame. Allow the seat to pivot backwards until it rests on the rear of the springs. (See figure 3.)

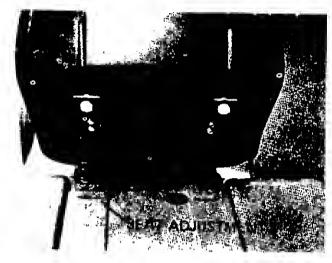


FIGURE 3.

STEERING WHEEL

 Place the steering wheel over the steering column extending through the dash. Line up the tlats on the steering column with the flats in the steering wheel. (See figure 4.)

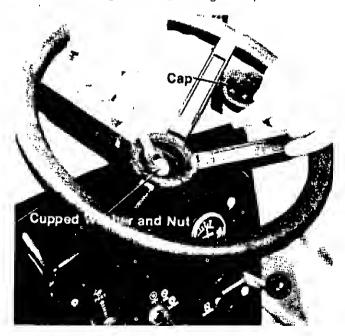


FIGURE 4.

- Place the washer with the cupped side down over the steering column and secure with a hex nut 5/16".
- 3. Place the cap over the center of the steering wheel and seat it with your hand.

TIRE PRESSURE

Reduce the rear wheel tire pressure to 15 p.s.i. for operation. The tires have been over-inflated for shipping. Equal tire pressure should be maintained on all tires. Maximum tire pressure is 30 p.s.i.



Pull the lift lever back to the raised position before taking the tractor off the skid.

ATTACHING THE CUTTING DECK

Deck Assembly Screw Pack

- 4 Flat Washers 1/2" I.D.
- 4 Medium Cotter Hairpins
- 2 Deck Wheels
- 2 Shoulder Bolts
- 2 Belleville Washers
- Assemble the deck wheels to the pivot bars using the shoulder bolts and the Belleville washers. See figure 5.



The cupped side of the Belleville washer goes towards the pivot bar.

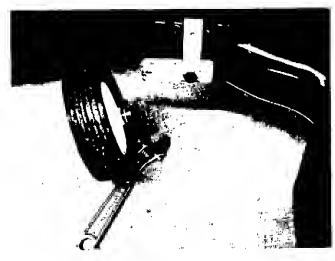


FIGURE 5.

- 2. Remove the round belt keeper from the idler by removing the cotter hairpin. (See figure 6.)
- 3. Unscrew the "L" bolt and swing the wire belt guard on the engine pulley forward.

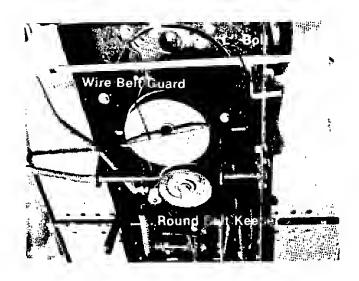


FIGURE 6.

- 4. Adjust the deck wheels to their lowest cutting position.
- 5. Move the tractor lift handle all the way back to the full raised position.
- Turn the tractor steering wheel all the way to the left.
- 7. Swing the front linkage forward.
- 8. Slide the deck under the tractor from the left side.
- Attach the four tractor hanger brackets to the deck with four 1/2" I.D. washers and four medium cotter hairpins. (See figure 7.)



The left front tractor hanger bracket goes through the center of the V-belt.

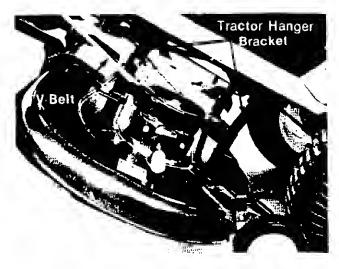


FIGURE 7.

10. Assemble the front cross bar as shown in figure 8 using two large cotter hairpins to attach the deck linkage to the tractor frame.



FIGURE 8.

11. Place the deck belt around the engine pulley and idler. (See figure 9.)



FIGURE 9.

- 12. Replace the round belt guard and swing the wire belt guard over the engine pulley and secure it with the "L" bolt.
- 13. Check all belt guards for clearance. The belt guards must be between 1/16" and 1/8" away from the belt when the PTO lever is in the engaged position.

- 14. Remove the small cotter hairpin from the brake release cable on the cutting deck.
- 15. Hook the brake release cable into the tractor idler bracket and secure it with the small cotter hairpin and clevis pin.

CONTROLS AND PRELIMINARY CHECKS

CONTROLS

Ignition Switch

The ignition switch is located in the center of the dashboard. Turn the key to the START position to start the engine. When the engine is running leave the key in the ON position. To stop the engine turn the key to the OFF position. (See figure 10.)



Remove the key from the tractor when the tractor is not in use to prevent accidental starting.

Throtile Control

The throttle control is located on the left side of the dashboard and is used to regulate the engine speed. (See figure 10.) The engine should be operated from 3/4 to full throttle (FAST) when operating any equipment that uses the tractor engine as a source of power such as the mowing deck, snow thrower or rotary tiller. (See figure 10.)

Light Switch

The head lamps are operated by pushing the light switch located on the dashboard. The head lamps will only operate when the engine is running. (See figure 10.)

Ammeter

The ammeter registers the rate of battery charge or discharge. The ammeter should register on the ptus (+) side when the engine is running in the FAST position until the battery is completely charged.

With a futty charged battery or with the engine idling the ammeter may not show a charge.

The maximum charging rate is 3 amps. The head lamps operate directly from the engine alternator and do not register on the ammeter. (See figure 10.)

Gasoline Tank

The gasoline tank is located on the engine. Fill the gasoline tank with approximately 1.9 gallons of clean, fresh, lead-free or leaded "regular" grade automotive gasoline. Raise the hood forward to fill the tank.

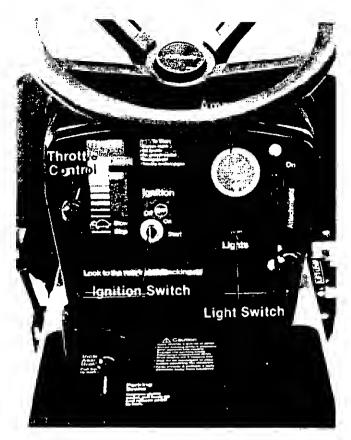


FIGURE 10.

Seat Adjustment

The tractor seat is adjustable to four positions. To change positions, tip the seat all the way torward and lift it out of the slots on each side. (See figure 11.)

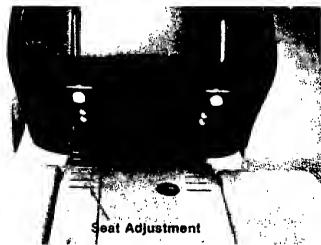


FIGURE 11.

Clutch-Brake Pedal

The clutch-brake peda: is located on the right side of the tractor. Depressing the clutch-brake peda! part way disengages the clutch.

Pressing the pedal all the way down disengages the clutch and engages the disc brake. (See figure 12.)



The clutch brake pedal must be depressed to start the engine.



FIGURE 12.

Parking Brake

To set the parking brake, depress the clutch-brake pedal and pull up the parking brake knob. It will stay in the raised position. To release the parking brake, depress and release the clutch-brake pedal. (See figure 13.)

Incline Assistance Brake

When stopping on a hill, hold the lever back while you release the clutch-brake pedal until the tractor begins to move, then release the lever. This prevents you from moving on the hill while releasing the clutch. (See figure 13.)

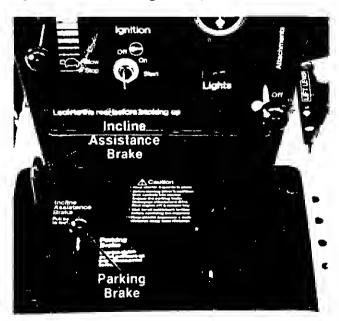


FIGURE 13.

Power Take Off (PTO) Lever

The PTO engagement lever is located on the right side of the dashboard. It is used to engage the blades on the cutting deck or snow thrower attachments. To turn on the attachments, lift the lever slowly and lock it in the notch. To turn off the attachment, remove the lever from the notch and lower it to the "OFF" position. (See figure 14.)



The PTO Engagement Lever must be in the "OFF" position to start the engine.

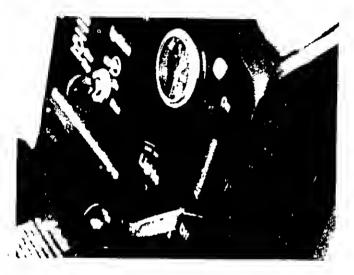


FIGURE 14.

Lift Lever

The five position lift lever is used to change the operating position of the attachments. To operate pull the lever towards you. To release, move the lever to the right and then forward. (See figure 15.)



FIGURE 15.

Gear Shift Lever

The transaxle has five forward gears, "NEUTRAL" and "REVERSE." You do not shift through the gears on the transaxle as you would in an automobile. Pre-select the gear appropriate for the job you are doing. (See figure 16.)

You must depress the clutch-brake pedal and come to a complete stop before shifting gears.

1st. Heavy grass cutting. Heavy snow removal.

2nd. Heavy grass cutting. Light snow removal.

3rd, Normal grass cutting.

4th. Light grass cutting.

5th, Traveling,

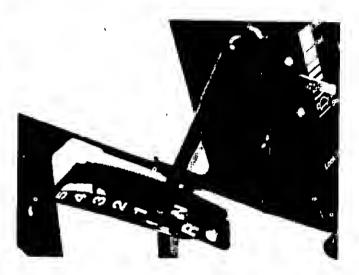


FIGURE 16.

CHECKING OIL AND GASOLINE



NOTE

When packaged for shipment, the machine contains no oil or gasoline. Before starting the engine, oil must be added to the engine crankcase and gasoline to the tank. DO NOT mix oil with gasoline.

Briggs & Stratton. Use a high quality detergent oil classified "For Service SC or SD or MS." Nothing should be added to the recommended oil.

Summer. (Above 40° F.) Use SAE 30. If not available use SAE 10W-30 or SAE 10W-40.

Winter. (Under 40° F.) Use SAE 5W-20 or SAE 5W-30. If not available, use SAE 10W or SAE 10W-30. Below 0° F., use SAE 10W or SAE 10W-30 diluted 10% with kerosene.

Place the engine level. Fill the oil sump to the FULL mark on the dipstick. Pour slowly.

Crankcase Capacity—3½ Pints.

OPERATION



- 1. Keep all shields in place.
- 2. Before leaving operator's position:
 - a. Shift transmission to neutral
 - b. Set parking brake
 - c. Disengage attachment clutch
 - d. Shut off engine
 - e. Remove ignition key
- Wait for all movement to stop before servicing machine.
- 4. Keep people and pets a safe distance away from machine.
- 5. Look to the rear before backing up,

CAUTION

DO NOT OPERATE MOWER UNLESS GUARD IS IN ITS PROPER PLACE.

OPERATION

- 1. Place the PTO lever in the disengaged position (down). See figure 14.
- 2. Depress the clutch-brake pedal and set the parking brake. See figures 12 and 13.



This unit is equipped with a safety interlock system for your protection. The purpose of the safety interlock system is to prevent the engine from cranking or starting unless the clutch-brake pedal is depressed and the P.T.O. lever is in the disengaged position.



Do not operate the tractor if the interlock system is malfunctioning because it is a safety device, designed for protection.

- Place the gear shift lever in the "NEUTRAL" (N) position. See figure 16.
- 4. Set the throttle control in the "FAST" position. See figure 10.
- 5. Turn the ignition key to the right to the "START" position. After the engine starts release the day. It will return to the "ON" position. See figure 10.
- 6. Select one of five forward gears. See figure 16.

- 7. Slowly depress the clutch-brake pedal so the parking brake is released and then release the clutch-brake pedal. See figures 12 and 13.
- To stop the tractor, pull the gear shift lever into "NEUTRAL" (N) or depress the clutch-brake pedal.
- 9. To shut off the engine, turn the ignition key to "OFF" position.



After striking a foreign object, stop the engine. Remove wire from spark plug, thoroughly inspect the mower for any damage, and repair the damage before restarting and operating the mower.

MAINTENANCE

TROUBLESHOOTING

Refer to the chart on page 19 for troubleshooting engine problems.

CRANKCASE OIL

To ensure maximum engine performance, perform the following periodic maintenance:

Oil Check

Check the oil level in the crankcase before each use of the machine and after every two hours of operation. Keep the oil level between ADD and FULL. See figure 17.

Oil Change

After the first two hours of operating a new engine, drain the oil (see figure 17) from the crankcase while engine is still hot and refill crankcase with new oil; thereafter change the oil after every 25 hours of operation. This procedure ensures minimum wear of engine parts and provides virtually trouble-free operation. To change the oil, proceed as follows:

- Step 1. Remove oil filler plug.
- Step 2. Drain the oil.
- Step 3. Replace oil filler plug.
- Step 4. Refill crankcase with oil. See page 10 for quantity and type of oil.

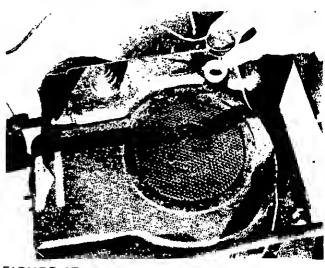


FIGURE 17.

Steering Gears—Wipe off the old grease and dirt. After every 25 hours of operation place an automotive multi-purpose grease in the teeth of the segment and pinion gears. See figure 18.

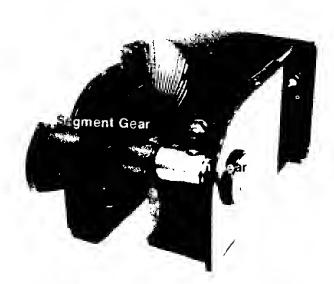


FIGURE 18.

Transaxle—The transaxle is lubricated and sealed at the factory. It is not necessary to check the lubrication level unless the transaxle is disassembled for repair. The transaxle is lubricated with 24 ounces of E.P. Lithium grease. See figure 19.

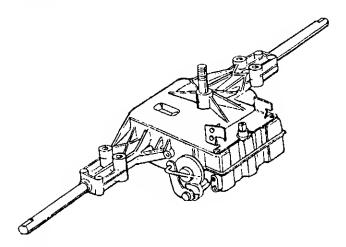


FIGURE 19.

Linkage—Once a season lubricate all the pivot points on the clutch, brake and lift linkage with SAE 30 engine oil.

Wheel Bearings—The front wheel bearings and king pin bearings have Oilon PV 80 bearings that require no lubrication.

Ball Joints—The ball joints and drag link ends are permanently lubricated.

MAINTENANCE OF BATTERY

- Check electrolyte level periodically (at least every two weeks). Keep the level to the split rings. Use only distilled water or a good quality drinking water. Never add acid or any other chemicals to the battery after initial activation.
- The battery should be checked with a hydrometer after every 25 hours of operation. If the specific gravity is less than 1.225, the battery should be recharged. Maximum charge rate 5 amps.
- Coat the terminals and exposed wire with a thin coat of grease or petroleum jelly for longer service and protection against corrosion.
- The battery should be kept clean. Any deposits of acid should be neutralized with soda and water. Be careful not to get this solution in the cells.
- 5. Avoid tipping the battery. Even a "sealed" battery will leak electrolyte when tipped.

STORAGE OF THE BATTERY

- 1. Store the battery in the unit.
- Keep the exterior of the battery clean, especially the top. A dirty battery will discharge itself.
- Check the battery with a hydrometer. The battery must be stored with a full charge. A discharged battery will freeze.

Specific Gravity	Freezing Point
1.265	71° F.
1.250	−62° F.
1.200	−16° F.
1.150	5° ₣.
1.100	16° F.



All batteries discharge during storage.

 Recharge battery whenever the specific gravity is less than 1.225, before returning to service or every two months, whichever comes first.

COMMON CAUSES FOR BATTERY FAILURE

- Overcharging
- 2. Undercharging
- 3. Lack of water
- Loose hold downs and/or corroded connections
- 5. Excessive loads
- 6. Battery electrolyte substitutes
- 7. Freezing of electrolyte



These failures do not constitute warranty.

BATTERY REMOVAL OR INSTALLATION



When removing the battery follow this order of disassembly to prevent your wrench from shorting against the frame.

- 1. Remove the Negative cable.
- 2. Remove the Positive cable.

To install a battery:

- 1. Attach the Positive cable.
- 2. Attach the Negative cable.

JUMP STARTING

- 1. Attach the first jumper cable from the Positive terminal of the good battery to the Positive terminal of the dead battery.
- Attach the second jumper cable from the Negative terminal of the good battery to the FRAME OF THE UNIT WITH THE DEAD BAT-TERY.



Failure to use this starting procedure could cause sparking and the gases in either battery could explode.

Installation of Tire to Rim



The following procedure must be followed when removing or installing a tire to the rim.

- 1. Lubricate the tire beads and rim flanges.
- Do not exceed 30 p.s.i. when seating beads.
- 3. Adjust to recommended pressure after beads are sealed.

Rear Wheel Tract Adjustment

The distance between the rear wheels can be changed from wide to narrow by removing the rear wheels one at a time and reversing them on the hub.

With the rear wheels in the narrow position, their outside is even with the outside of the front wheels.

With the rear wheels in the wide position, their inside is even with the inside of the front wheels.

Wheel Alignment

The front wheels should toe-in approximately 1/8". Measure the distances A and B on the front wheels. (See figure 20.)



Dimension B should be approximately 1/8 inch less than dimension A.

To adjust the toe-in, loosen the hex jam nut, remove the elastic locknut, lift the tie rod end out of the hole in the steering arm and screw the tie rod end in or out as necessary, (See figure 21.)

Reassemble the tie rod end after the correct alignment is made.

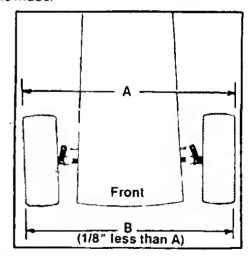


FIGURE 20.

Drag Link

If the drag link or ball joints are changed the new assembly must be adjusted to the exact same length as the original. If adjusted wrong it will allow the tractor to turn sharper one direction than the other.

To take off the drag link, remove the nuts and lock washers holding the ball joint to the steering gear and left front axle bracket.

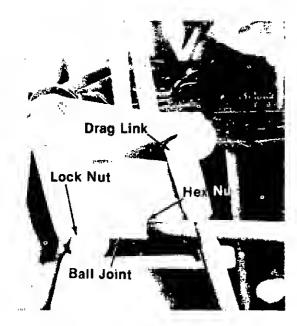


FIGURE 21. BRAKE ADJUSTMENT

During normal operation of this machine, the brakes are subject to wear and will require periodic examination and adjustment.



Do not adjust the brake white the engine is running. Be sure to block the 'wheels of the tractor before making the brake adjustment.

- 1. Loosen the jam nut. See figure 22.
- 2. Turn the adjusting nut in until it locks the dlsc.
- 3. Back off the adjusting nut one complete turn.
- 4. Tighten the jam nut.

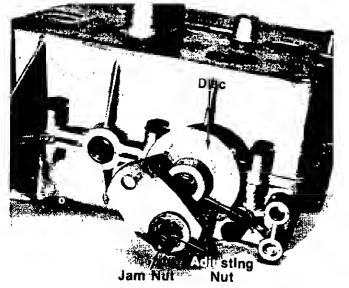


FIGURE 22.

Changing the Drive Belt (See figure 23)

- Remove the cutting deck outlined in the "Maintenance—Cutting Deck" section of this manual.
- 2. Depress the clutch pedal and set the parking brake.

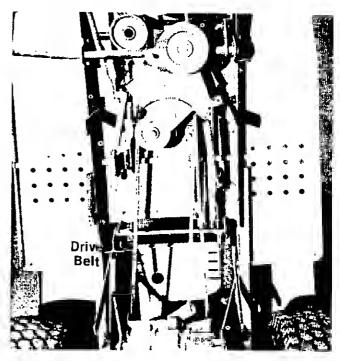


FIGURE 23.

- Remove the transaxle belt guard by removing the two self-tapping screws. See figure 24.
- 4. Unhook the V-belt from the transaxle pulley.

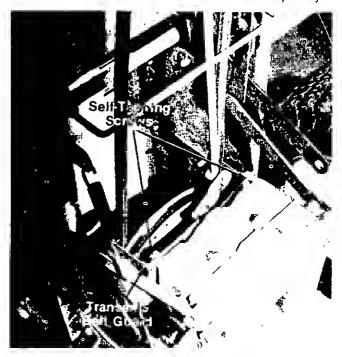


FIGURE 24.

5. Remove the lower idler by taking out the center bolt and nut.



When reassembling the idler be sure to place the belt keeper in the correct position. See figure 25.

Unhook the idler spring so the idler will swing out of your way.

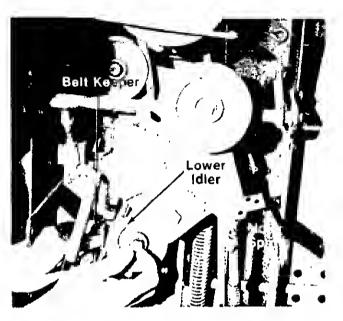


FIGURE 25.

- 7. Remove the cotter pin from the clutch shaft and pull it out of the bracket. See figure 26.
- 8. Remove the upper idler.



FIGURE 26.

- Remove the cotter pin from the transaxle shifting rod and pull it out of the bracket. See figure 27.
- 10. The drive belt cannow be removed.
- 11. Reassemble the new belt in reverse order.

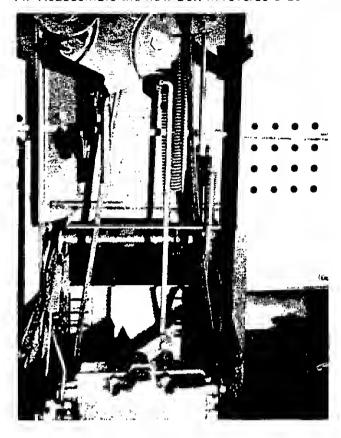


FIGURE 27.

AIR CLEANER

Under normal operating conditions, the air cleaner, located on top of the carburetor, must be serviced after every ten hours of use. Under extremely dusty operating conditions, the air cleaner must be serviced after every hour of operation. Refer to figure 28.

When assembling the air cleaner, make certain the lip of the foam element extends over edge of the air cleaner body. The foam element will form a protective seal.

- Step 1. Remove two screws and lift off complete air cleaner assembly.
- Step 2. Remove screen and spacers from foam element.
- Step 3. Remove foam element from air cleaner body.
- Step 4. a. Wash foam element in kerosene or tiquid detergent and water to remove dirt.
 - b. Wrap foam in cloth and squeeze dry.

- c. Saturate foam in SAE 30 engine oil, then squeeze out excess oil.
- d. Assemble parts and fasten to carburetor with screw.

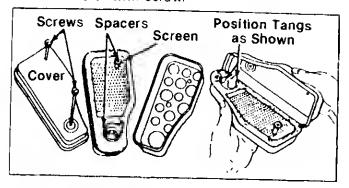


FIGURE 29. AIR CLEANER



If any adjustments are made to the engine while the engine is running (e.g. carburetor), disengage all clutches and blades. Keep clear of all moving parts. Be careful of heated surfaces and muffler.

Carburetor Adjustments

Minor carburetor adjustments may be required to compensate for differences in fuel, temperature, altitude and load.

To Adjust Carburetor—Turn needle valve clockwise until it just closes.



Valve may be damaged by turning it in too far.

Now open needle valve 1½ turns counterclockwise. Close idle valve in the same manner and open 1½ turns. This initial adjustment will permit the engine to be started and warmed up prior to final adjustment. (See figure 29.)

To make the final adjustment, place governor control lever in "FAST" position. Turn needle valve in until engine slows (clockwise—lean mixture). Then turn it out past smooth operating point (rich mixture). Now turn needle valve to midpoint between rich and lean. Next, adjust idle RPM. Rotate throttle counterclockwise and hold against stop. Adjust idle speed adjusting screw to obtain 1750 RPM. Holding throttle against idle stop, turn idle valve in (lean) and out (rich). Set at midpoint between rich and lean. Re-check idle RPM. Release

throttle. If engine will not accelerate properly, the carburetor should be readjusted, usually to a slightly richer mixture.

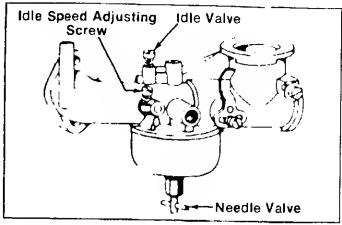


FIGURE 29.

Choke Adjustment:

Place control lever on equipment in FAST (high speed) position. Loosen control casing clamp screw B. Move control casing A and wire until lever D touches choke operating link at C. Tighten casing clamp screw B. See figure 30.

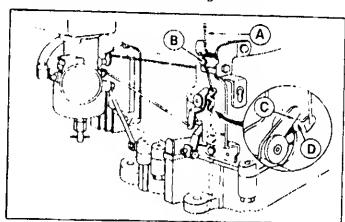


FIGURE 30. CHOKE ADJUSTMENT

OFF-SEASON STORAGE

If the machine is to be inoperative for a period longer than 30 days, the following procedures are recommended:

- Working outdoors, drain all fuel from the fuel tank. Use a clean dry cloth to absorb the small amount of fuel remaining in the tank, then run the engine until all fuel in the carburetor is exhausted.
- Drain all the oil from the crankcase (this should be done after the engine has been operated and is still warm) and refill the crankcase with clean new oil.

- 3. Disconnect the spark plug wires and remove the spark plugs from the cylinders. Pour about 2 or 3 tablespoons of engine oil into each cylinder, and then turn the engine over several times to spread out the oil. Replace the spark plugs but do not connect the wires.
- Clean the engine and the entire tractor thoroughly.
- Lubricate all lubrication points and wipe the entire machine with an oiled rag in order to protect the surfaces.
- 6. Battery storage. See page 12.

MAINTENANCE CUTTING DECK

CAUTION
DO NOT OPERATE
MOWER UNLESS
GUARD IS IN ITS
PROPER PLACE.



FIGURE 31.

Keep hands and feet away from the chute area on cutting deck. See figure 31.

Lubrication

The blade spindles on the cutting deck are permanently lubricated.

Cutting Blade

The blades may be removed for sharpening or replacement as follows:

- Remove the large bolt and lock washer holding the blade and adapter to the blade spindle.
- Remove the blade and adapter from the crankshaft.
- 3. Remove the two smaller bolts, lock washers and nuts holding the blade to the adapter. See figure 32.

When sharpening the blade, follow the original angle of grind as a guide. It is extremely important that each cutting edge be ground equally to prevent an unbalanced blade. An unbalanced blade will cause excessive vibration when rotating at high speeds and may cause damage to the mower.

The blade can be tested for balance by balancing it on a screwdriver. Remove metal from the heavy side until it balances evenly. See figure 34.



When replacing the blade, be sure the side of the blade marked "Bottom" or having the part number, is facing down toward the ground when the mower is in the operating position.

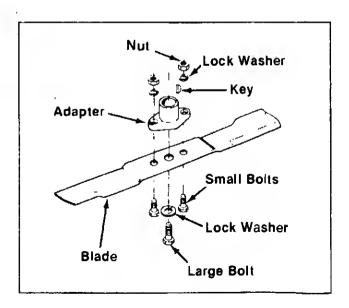


FIGURE 32.



FIGURE 33.

Removing the Deck Belt

- Remove three hex self-tap screws holding the upper belt guard to the lower belt guard. See figure 34.
- 2. Replace the belt and reassemble.

Removing the Blade Belt

- 1. Remove the deck belt and upper belt guard. See figure 34.
- Remove the lower belt guard by removing three hex bolts, lock washers and hex nuts. See figure 34.

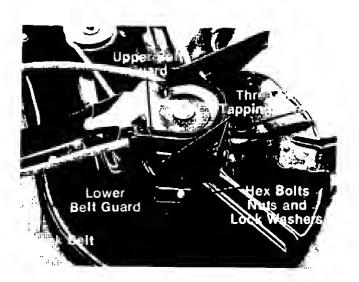


FIGURE 35.

 Push the idler pulley inward towards the center of deck and slip the blade belt off of idler pulley. See figure 36.

Right Hand Belt Guard

- 5. Remove the rear bolt, nut and lock washer from the right hand hanger bracket.
- Slide the blade belt off of the deck pulleys and slip underneath the hanger brackets. See figure 36.
- Reassemble the new belt in reverse order of the above steps.

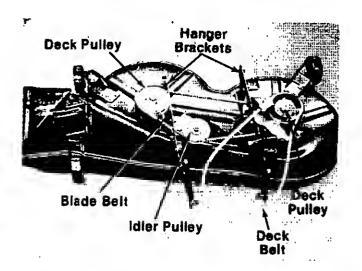


FIGURE 36.

FIGURE 34.

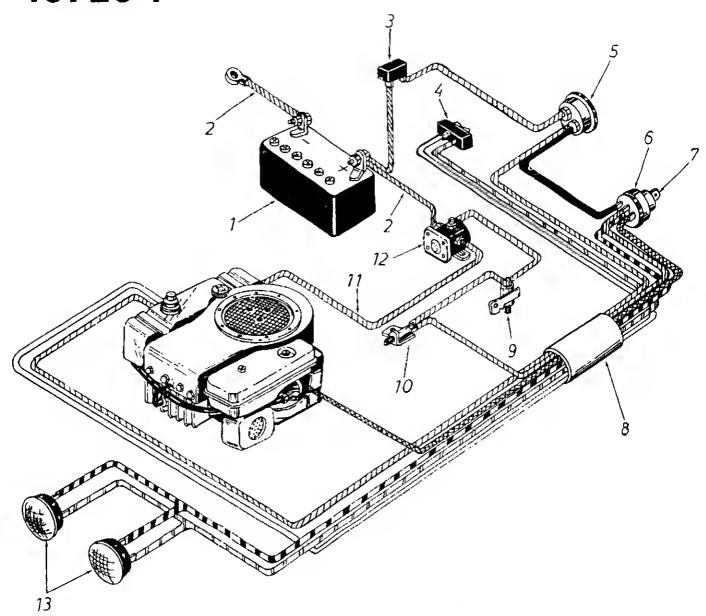
 Remove the right hand belt guard from deck. Remove two hex bolts, lock washers and hex nuts. See figure 35.

TROUBLE SHOOTING CHART FOR ELECTRIC START MODELS

TROUBLE	LOOK FOR	REMEDY
Engine will not crank	Battery installed incor- rectly	The battery must be installed with the negative, identified at the terminal post by (Neg, N or -) grounded. The positive (Pos, P or +) attaches to the large cable from the solenoid. The small red wire from the fuse holder or circuit breaker is also attached to the positive terminal.
	Blow fuse or circuit breaker	Replace fuse with 7½ amp, fuse ¼ x 1¼ " Ig. Circuit breaker will reset itself when it cools off Fuses or circuit breakers seldom open or fail without a reason. The problem must be corrected Check for loose connections in the fuse holder. Replace fuse holder if necessary. A dead shor may be in the cranking or charging circuit where the insulation may have rubbed through and exposed the bare wire. Replace the wire or repeir with electrican's tape if the wire strands have not been damaged. Note: Look for a wire pinched between body panels, burned by the exhaust pipe or muffler or rubbed againet e moving part.
	Baftery is dead or weak	Use a hydrometer to check the condition of the battery. The Specific Gravity (s.g.) should be 1.265 at 80°F. (1.215 s.g. minimum needed for cranking engine). The reason for the battery fail Ing must be determined. (1) Defective betfery. Battery will not accept or hold a full cherge. (2 Short circuit. Check for grounded wire. (3) Charging system not working, either engine alter nator or trickle charger. Trickle Charger. Check with multimeter. Cherger 725-0578—input 120 V A.C., no loed output 13.5 V D.C., rated load current 1 amp. Charger 725-0507—input 120 V A.C., no load output 17.4 V D.C., rated load current 1/2 amp. Alternator (dual or single circuit) The charging system is an elfernator located under the flywheel. If is unregulated and rated 3 amp, at 3600 r.p.m. A diode (rectifier) is located in the output leed just before the wire harness plug on the engine side.
		Red Wire Dlode Tube (Batt.) 7 AMP AC (Lamps) Black Wire Polorized Plug
		The diode changes A.C. fo D.C. to charge the battery. A bad diode can either fail to charge the battery or discharge the battery if the alternator is shorted as well as the diode. To test: (1) Disconnect charger lead from the battery (smell red wire). (2) Connect 12 V smalt test lamp between the 3 amp. D.C. charge lead and the positive terminal of the battery. (3) With the engine off, the lamp should not light. If it does, the diode and possibly the alternator should be replaced. (4) Start the engine. The lamp should light. If it does not, the alternator (stator) or lead wire is bad and should be replaced.
	Mechanical faifure. (Wires and switches)	The interlock system includes two mechanical activated switches which are wired in series in the circuit used to energize the sfarter solenoid. While testing the interlock system, you witl make the mower temporarily unsafe by permitting the engine to be started with the blade and clutch engaged. WARNING: While testing, disengage the clutch, shut off the blade controt, set the parking brake end place the gear shift lever in neutral. Attach a wire (minimum 18 gauge) to the positive terminel of the bettery end touch the other end to the small terminal on the solenoid. If the engine does not crenk: (1) There is a loose connection or poor ground, (2) The solenoid may be bad. The solenoid cen be checked by using a heavy wire (#8 gauge minimum) and jumping between the two lerge terminals. If the engine cranks, the solenoid is bad. (3) If the engine does not crank when you jump the solenoid, have the starter motor tested by an authorized engine deeler. If the engine does crank, The problem is with one of the safety switches, ignition switch or the wire between the fuse holder (or circuit breaker) and the small terminal on the solenoid. Note: Look for e poor connection at the switches or a defective switch. Replace if necessary.
Engine cranks out will not stert	Throttle or choke not in sterting position	Check owner's guide for correct position for throttle control and choke (if separate control) for sterting.

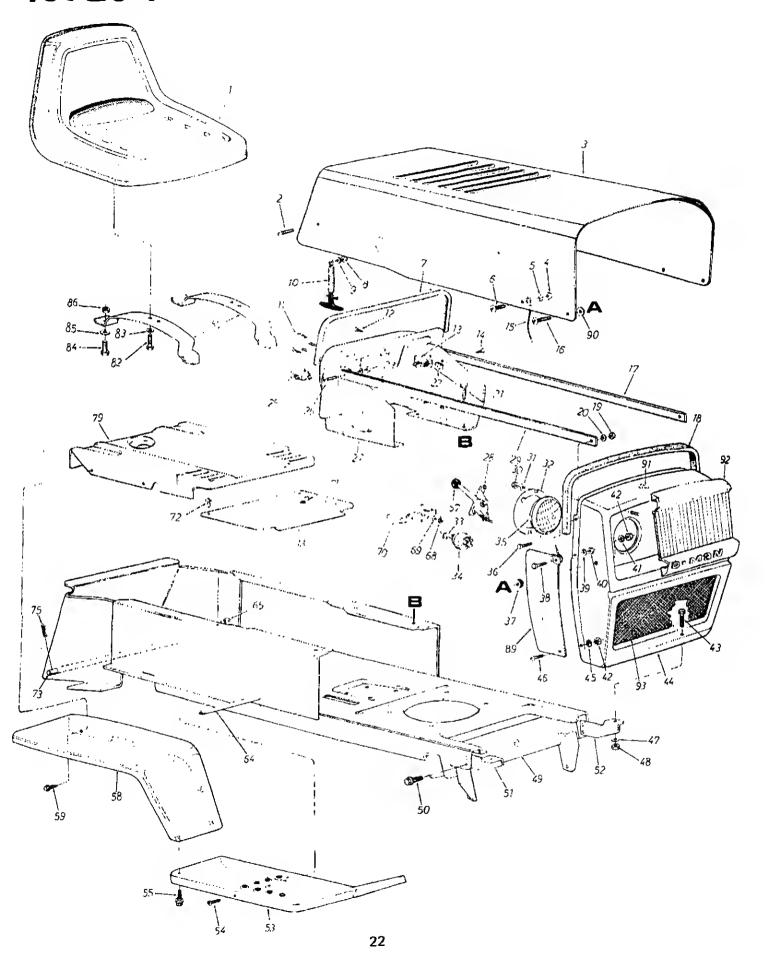
TROUBLE SHOOTING CHART FOR ELECTRIC START MODELS

TROUBLE	LOOK FOR	REMEDY					
	No spark to spark plug	Spark plug lead disconnected. Connect lead. Hold spark plug lead away from engine block about 1/8". Crank engine. There should be a spark. If not, have engine repaired at authorized engine service dealer. Faulty spark plug. To test, remove spark plug. Attach spark plug lead to spark plug. Ground the spark plug body against the engine block. Crank the engine. The spark plug should fire at the electrode. Replace if it does not.					
	No fuel to the carburetor	Gasoline tank empty. Fill. Fuel valve shut off, Open valve. Valve is located either at the bottom of the tuel tank or on the carburetor. Fuel line plugged. Remove and clean,					
	Air filter dirty	If the air cleaner is dirty, the engine may not start. Clean or replace as recommended by the engine manufacturer.					
Engine smokes	Engine loses crankcase vacuum	Dipstick not seated or broken. Replace defective part. Engine breather defective, Replace.					
Excessive vibration	Bent or damaged blade spindle	Stop engine immediately. Check all pulleys, blade spindles, blade adpaters, keys and bolts for tightness and damage. Tighten or replace any damaged parts.					
	Bent blade	Stop engine immediately. Replace damaged blade. Only use original equipment blades.					
Mower will not discharge grass or leaves uncut strips	Engine speed low Transmission selection	Throttle must be set between 3/4 and full throttle. Use lower transmission gear. The slower your ground speed, the better the quality of cut.					
ar arriva	Blades short or dull	Sharpen or replace blades (uncut strip problem only)					



PARTS LIST FOR ELECTRICAL SYSTEM 13720-1

Ref No.	PART No.	DESCRIPTION
1	725-0453	12V-Battery
2	725-0563	Electric Cable
3	725-0459	Circuit Breaker
4	725-0634	Light Switch
5	725-0119	Ammeter
6	725-0267	Ignition Switch
7	725-0201	Ignition Key
8	725-0667	Wire Harness
9	725-0465	Safety Switch
10	725-0268	Safety Switch
11	725-0561	Electric Cable
12	725-0530	Solenoid
13	725-0222	Headlight

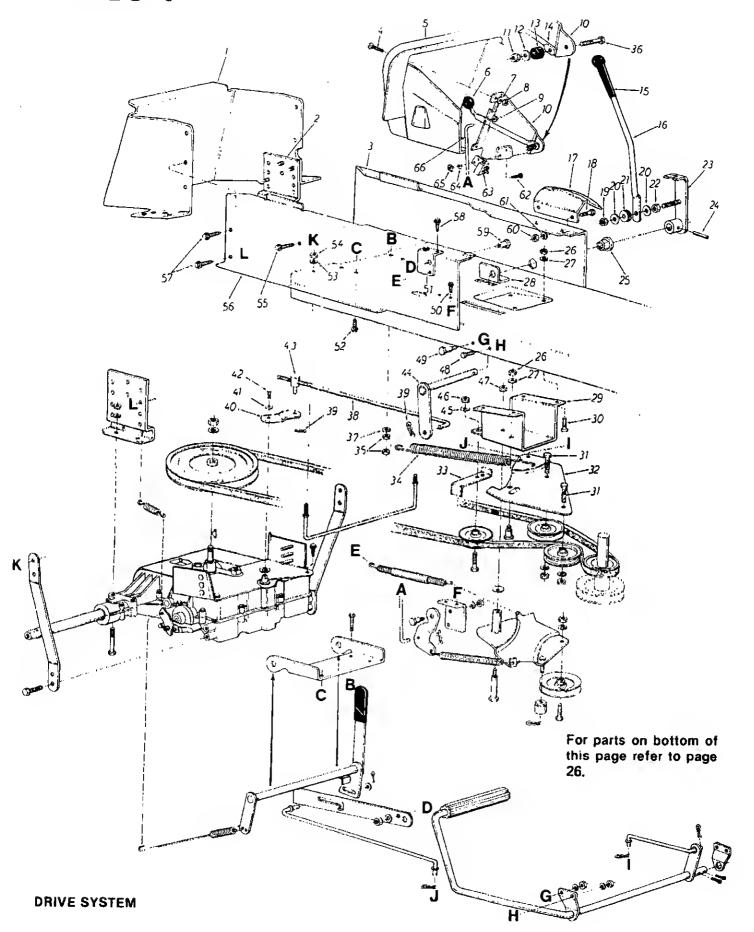


PARTS LIST FOR BODY PANELS 13720-1

REF.	PART NO.	COLOR	DESCRIPTION	NEW	REF.	PART NO.	COLOR		NEW
1 1	757-0298		Seat Assembly	PARI			CODE		PART
2	710-0286		Truss Mach Scr. 14-20 x 50"		44	14044		Grille Ass'y.	N
-	1. 10 0200		Lg.*	l	45	736-0329		L-Wash. 14" Scr.	
3	13808 -	-312	Hood	ŀ	46	710-0286)	Truss Mach. Scr. 14-20 x .50"	
4	712-0287		Hex Nut 1:-20 Thd		47	706 0116	,	Lg.	ŀ
5	736-0329		L-Wash. 14." Sci.	i	48	736-0119 712-0267		L-Wash. 5/16" Scr.`	
6	710-0286		Truss Mach Scr 1:-20 x .50"		49	13820		Hex Nut 5/16-18 Thd.*	
			rg ,		50	710-0600	١	Lower Frame Ass'y. Hex Thd. Rolling Scr. 5/16-24	}
7	731-0423		Vinyl Molding Strip		30	7 10-06000	,	x .50" Lg.	
8	712-0287		Hex Nut 1-20 7hd.	1	51	13862		Grille Mount Bikt R.H.	İ
9	736-0329		L Wash 1. Scr			13863		Griffe Mount Bikt.—E.H.	
10	723-0296		Hood Latch Ass'y	ļ i	53	13828	_497	Running Board R.H.	
11	725-0119		Ammeter		,,,	13827		Running Board—L.H. (Not]
12	7 10-035 1		Hex Tap Sor #10 x 50			1302.	751	Shown)	İ
			Lg ·		54	710-0323	:	Truss Mach Scr. 5/16-18 x	
13	725-0459		Circuit Breaker & Amp		,	1 10 0320		.75" Lg.*	
14	∤710-0351		Hex Tab Sci #10 x 501 Lg 1		55	710-0600	,	Hex Thd. Rolling Scr. 5/16-24	
15	727-0199		Hood Stop				<i>'</i>	x .50" Lg	
16	710-0255		Truss Mach Sci 11-20 x 75"		5.7	720-0166		Kneb (Throttle Control)	
			Là.		58	14058		Fender Ass'y —R.H.	
17	749-0220		Girtle Positioning Rod		.,	14057		Fender Ass'y. — L.H. (Not	
18	722 0137		PVC Fuam Strip 1 x 1.00	1				Shown)	
			x 12.5° Lg.		59	710-0600		Hex Thd. Rolling Scr.	
	712-0287		Hex Nut 1:-20 Thd.1					5/16-24 x 50" Lg.	
	736-0329		L-Wash, 1: Sci 1		64	738-0435		Running Board Rod	
21	710.0599		Hex Thd. Rolling Scr. 1:-20 x			726-0156		Speed Nut	
1			.50 " Lg		66	14056 -		Transmission Cover	
?2	712-0344		Speed Nut #10 Z		68			Part of Ref. No. 11	
23	712.0287		Hex Nut 1., 20 Thd 1		69	_	ļ	Part of Ref. No. 11	•
24	736.0329		L-Wash, '4" Scr		70	-		Part of Ref. No. 11	
25	725 0634	-	Light Switch			731-0405		Snap Bushing	
	710.0166		Hcx Scr. 1: 20 x 62" Lg		72	710-0473		Truss Hd. Scr. 14-20 x .75"	
27	13843		Dash Panel Assiy			-00 0		Lg.	
28	746-0385		Throttle Control Comp			738-0482		Hitch Rod	
	7.0.0000		17.0" Lg			714-0149		Internal Colter Pin	
29	749-0220		Grille Positioning Fod	İ		138 14		Seat Plate	
30	712-0287		Hex Nut 1a-20 Thd."			710-0118		Hex Scr. 5/16-18 x .75" Lg.*	
31	736-0329		L-Wash, 1: Scr			736-0119		L-Wash. 5/16" Scr.	
32	09960		Head Lamp Relainer	1	84	710-0689		Hex Scr. Nylon Scr. 12:13 x	
	725-0201		Ignition Key		or.	206 0400		75" Lg	
34	725-0267		Ignition Switch		85	736-0192	1	FI Wash50" I.D. x 1.00"	
35	725-0222 710-0258		Head Lamp Hex Scr. 1:-20 x .62" Eq. 1		36	710 0000		O.D. × .090	
37	735-0144		Rubber Wash50" J.D. x	1		712-0206 13123		Hex Nut 12 13 Thd.*	
31	733*0144	i	1.00" O.D x .25 Thk.					Seat Spring	
38	710-0286		Truss Mach Scr. 14-20 x 50"		O9			Grille Side Panel - R.H.	
36	7 10-0200		Lg.			10200 -	-312	Grille Side Pancl—L.H. (Not Shown)	
39	736-0329		L-Wash. 1: Scr.*		90	736-0173		Flat Wash, 141 LD.	
40	712-0287		Hex Nut : 20 Thd			710-0432		Hex "F"-Tap Scr #10-32 x	
41	736-0329		L-Wash. : Scr.	j	J 1	10-0432		38" Eg.	
42	712-0287		Hex Nut 1a-20 Trid.]	92	731-0501	1	Head Lamp Bezel	
4.3	710-0118		Hex Scr. 5:16-18 x .75" Lg."			13730		Grille Screen	
ربت	- 10-01-10	i	110% Oct. 0.10 to X 1.0 Eg.		30	10100		dillo dologi	



This instruction manual covers various models and all specifications shown do not necessarily apply to your model. Specifications subject to change without notice or obligation.



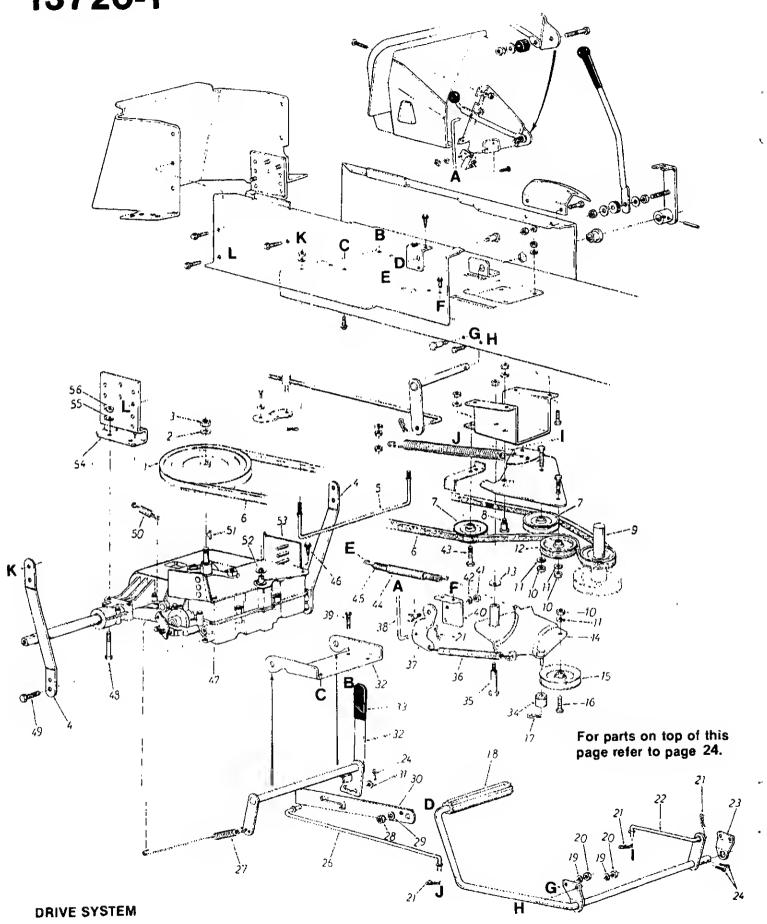
PARTS LIST FOR DRIVE SYSTEM MODEL 13720-1

REF.	PART	COLOR		T					
NO.	NO.	CODE	DESCRIPTION	NEW PART	REF.	PART! NO.	COLOR	DESCRIPTION	PART
1	13813		Hitch Plate		36	710-010	6	Hex Bolt 14-20 x 1.25" Lg.*	
	14067		Transaxle Support Bracket		37	736-0119		L-Wash. 5/16" I.D.	
3	13847		Side Panel Upper Frame L.H.	ļ	38	747-034		Shift Link	
4	710-028	36	Truss. Mach. Scr. 12-20 x	-	39	714-014		Hairpin Cotter 3/8"	
_	1		i .50" Lg.*		40	14192		Shifter Bracket	
5	13843		Dash Panel Assiy.	l	41	736-0270	n l	Belleville Wash25" I.D. x	
	720-016		, Ball Knob (Blade Clutch)		}			.375" O.D.	
7	736-032		L-Wash. 😘 " I.D.		42	710-0513	3	Hex Bolt 1/4-28 x .62" Lg.	1
8	712.028		Hex Nut 1/4-20 Thd.*	l	•			(Special)	•
	726-010)6	: Push Cap ¹→" Rod	;	43	711-0198	3	Pivot Bushing	
10	13950		Deck Clutch Control Brkt.		_	1 14034	- 	Speed Control Shaft Ass'y.	}
	712-010		Hex Cent, L-Nut 1 20 Thd			736-0300)	FI-Wash385" I.D. x .87"	İ
12	736-017	'3	Fl-Wash281" I.D. x .734"			,	•	O.D. x .060 Thk.	
i	}		O.D. x .063 Thk.		46	712-0214	1 1	Hex Cent. L-Nut 3/8-24 Thd.	Į
13	735-012	<u>!6</u>	Ruboer Wash, .330" I.D. x	ļ.	47	712-0375	,	Hex Cent. L-Nut 3/8-16 Thd.	1
İ			.87" O.D. x .32 Thk.			710-0201		Hex Bolt 3/8-16 x .62" Lg.*	i
	747-015		Blade Clutch Lever	i	49	738-0234		Shoulder Bolt .500" Dia, x	1
	720-014		Grip			i	`	.345" Lg. (3/8-16)	
	747-031	7	Shift Lever	ļ .	50	710-0599	a]	Hex Thd. Rolling Scr. 1/4-20	
	14197		Shift Bracket	ı		,	´ l	x .50" Lg.	1
	710-075	2	Hex Bolt 5/16-18 x .62" Lg.*		51	13833	1	Parking Brake Cam Mtg.	
	712-015	8	Hex Cent, L-Nut 5/16-18 Thd.				Ţ	Brkt,	
20	736-015	9	Fl-Wash, .344" I.D. x .875"		52	7 10-0599	,	Hex Thd. Rolling Scr. 1/4-20	
]			O.D. x .063 Thk,		1		, ,	x .500" Lg.	
21	735-012	6 j	Rubber Wash330" I.D. x		53	736-0329	1	L-Wash 1/4" I.D.	
			87" O.D. x .32 Thk		54	712-0287		Hex Nut 1/4-20 Thd.*	i
22	712-026	7	Hex Nut 5/16-18 Thd.*		55	7 10-037 1		Hex Bolt 5/16-18 x .88" Lg.	
23	14195	į.	Handle Mount Brkt, Ass'y.	,		. 10 001		(Special)	
			(Shift Lever)		56	13848	i	Side Panel Upper Frame—	
24	715-010	8	Spring Pin Spiral 1/4" Dia. x					R.H.	
1			1.00" La.	'	57	710-0600) !	Hex Thd. Rolling Scr. 5/16-24	
25	741-022	5	Plastic Hex Bearing .625"	- 1	- :		- 1	x .50" Lg.	
_		1	I.D.		58	710-0599)	Hex Thd. Rolling Scr. 1/4-20	1
	712-026	7	Hex Nut 5/16-18 Thd.*					x .50" Lg.	•
	736-011	9	L-Wash. 5/16" I.D.*		59	738-0155	;	Shoulder Bolt .435" Dia. x	i
	14035	ļ	Speed Control Shaft Brkt.	. !				160 (5/16-18)	
29	14063	}	Transaxle Clutch Support	i	60 i	712-0267		Hex Nut 5/16-18 Thd.*	1
		1	Brkt.		61	736-0119		L-Wash. 5/16" I.D.*	
	710-0378		Hex Bolt 5/16-18 x 2.50" Lg.*		62	710-0473		Truss Mach. Scr. #10-24 x	
	710-0342	2	Hex Bolt 3/8-16 x 1.25" Lg.*		_ ,			.50" Lg.*	
	14064		Idler Bracket Ass'y.	•	63 !	725-0465		Safety Switch	
	138 19		Belt Guard		64	736-0147		Ext. L-Wash. #10 Scr.*	
34	73 2 -0307	7	Extension Spring .995" O.D. i		65	712-0121		Hex Nut #10-24 Thd.*	
			x 11.0" Lg.	i	66	747-0307		Deck Control Rod	
35	712-0 2 67	7	Hex Nut 5/16-18 Thd. 1	i					
		İ					:		

^{*}For faster service obtain standard nuts, bolts and washers locally. If these items cannot be obtained locally, order by part number and size as shown on parts list.

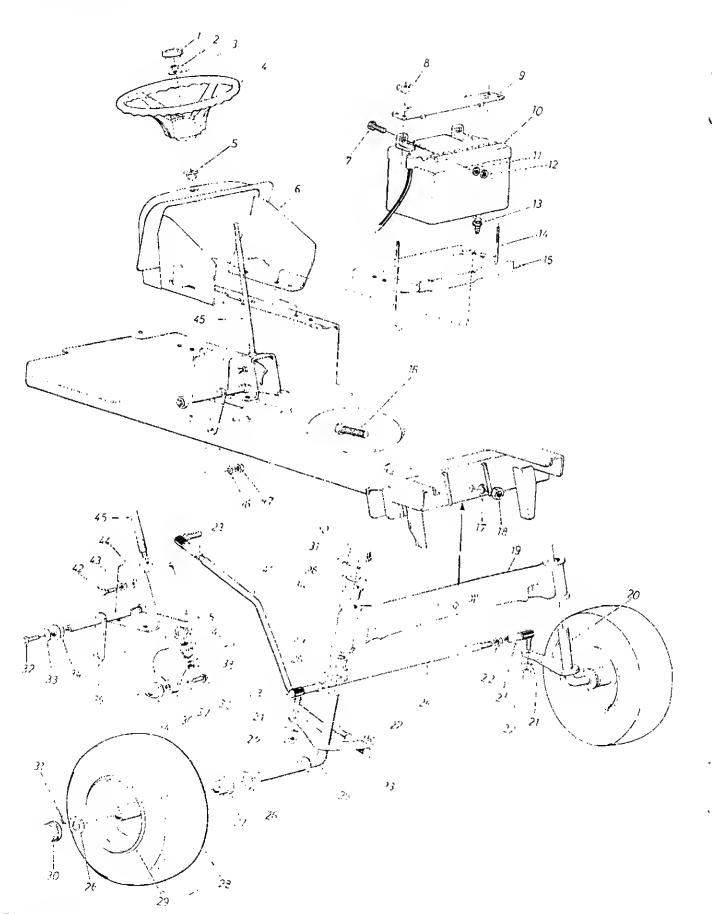
(497 - Yard-Man Red)

When ordering parts if color is important, use the appropriate color code listed above (e.g. 12369—497 - Yard-Man Red)



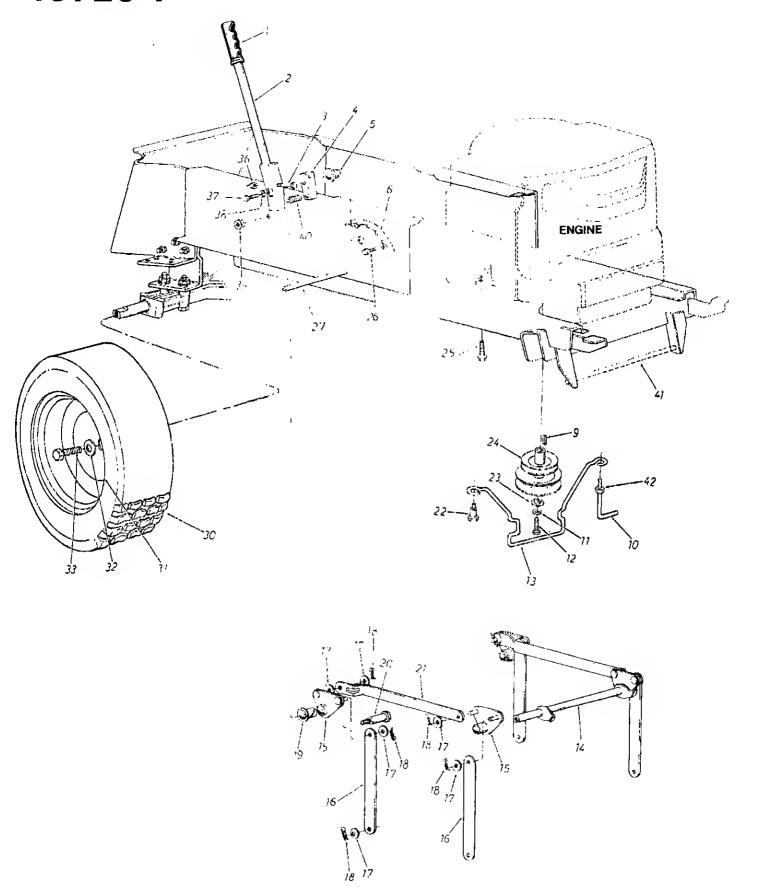
PARTS LIST FOR DRIVE SYSTEM MODEL 13720-1

 -		PARTS LIST FOR D	RIVE	SYST	TEM MODEL 13	720-1	
REF NO.	NO CODE	DESCRIPTION	NEW PART	REF.	PART COLOR NO. CODE	DESCRIPTION	NEW PART
1 1	756-0341	8" "V" Pulley (Transaxie)		32	14073	Hand Brake Lever Ass'y.	
2	736-0921	L·Wash, 1:1 I.D.1	į		720-0189	Grip—Flat Bar 1 % " Wide	}
3	712-0922	Hex Nut 12-20 Thd.*	1		748-0278	Spacer	1
4	14066	Transaxle Brace	1		738-0129	Shoulder Bolt .496° Dia. x	
5	747 0322	Belt Guard	İ		1	2.00" Lg. (3/8-16)	1
6	754-0248	"V" Belt Idler Pulley .38"	i	36	732-0384	Extension Spring .620" O.D.	
-	754 0 4 40	(Kevlar)				× 6.12" Lg	
7	756-0116	"V"-Belt Idler Pulley .38"	ļ	37	13887	Deck Control Brkt,	1
	7000	I.D. x 3-1/16" O.D.		38	747-0307	Deck Control Rod	1
8	738-0155	Shoulder Bolt .435' Dia. x	ļ	39	710-0442	Hex Boit 5/16-18 x 1.50" Lg.*	·
		160 (5/16-18)	i	40	13833	Parking Brake Cam Mtg.	
9	756-0342	Two Step Engine Pulley 3.10"	!	1		Brkt.	
		and 5.56" Dia.	!	41	712-0267	Hex Nut 5/16/18 Thd.*	i i
10	712-0798	Hex Nut 3/8-16 Thd 1		42	736-0119	L-Wash. 5/16" I.D.	1
11	736-0169	L-Wash, 3/8" I.D.*		1 43	710-0459	Hex Bolt 3/8-24 x 1.50" Lq.	
12	756 0225	Flat Idler Pulley 2.75" O.D.	I	Ì		(Grade 5)	ı
13	736-0105	Belloville Wash 400' LD		44	731-0483	Convoluted Conduit .50" I.D.	:
		' × .88" O.D × .063				2 4.0" Lg.	
14	14076	Ildler Bracket Ass'v.	•	45	732-0308	Ext Spring .50" O.D. x 6.37"	
15	756-0293	4" "V"-Idler Pulley				La.	
16	710-0342	Hex Bolt 5,8 16 x 1 25 Lc. *		46	7 10 0726	Hex Wash Hd. AB Tap Scr.	
17	714-0104	Hairpin Cotter 5 16 Dia " :				5/16·24 > .75" La	
18	735-0196	Foot Pad		47		Transaxic (See Breakdown	i
19	736-0169	L-Wash 3.81 (D.1	i		4	on Page 34)	
20	712-0798	Hex Nut 3-8-16 Thu.		48	710-0378	Hex Bolt 5/16-18 x 2.50" Lg.	'
21	714-0145	Hairpin Corter 3/8" Dia	į	49	710-0726	Hex Wash, Hd. AB Tap Scr.	
22	747-0318	Brake Clutch Rod (4.60" Lg.)		1	1	5/16-24 x .75" Lg.	. '
!3	13859	Clutch Rod Bearing Brkt.	;	50	732-0433	Extension Spring 50" O.D.	
24	714-0474	Cotter Pin 1/8" Dia. x 1.00"		!		x 2.75" Lg.	1
		Lg.*		51	714-0129	Hi-Pro Key 3/32" x 5/8" Dia.	, ,
25	14040	Clutch Brake Pedat Assiy.	Í	52	717-0234	Special Wash, 1.00" O.D.	
26	747-0319	Brake Cam Rod (13.60" Lg.)				(Hdn.)	
27	732-0381	Extension Spring .59" O.D. x	ļ	53	14193	Transaxle Belt Keeper Ass'y.	ı
] [.93" Lg.	ļ	54	14067	Transaxie Support Bracket	- 1
	712-0267	Hex Nut 5/16-18 Tha *		55	736-0119	L-Wash. 5/16" I.D.	
29	736-0119	L-Wash. 5/16" I.D.*		56	712-0267	Hex Nut 5/16-18 Thd.*	,
	13832	Parking Brake Cam	- 1			- 1131 3713 10 11101	!
31	736-0101	Fl-Wash. 406" I.D. x 1.00"	i	- 1	i		
1 1		O.D. x .030 Thk.	. !	!		i	-
 		·		-	-		



PARTS LIST FOR STEERING MODEL 13720-1

REF.		COLOR CODE	DESCRIPTION	NEW PART	REF.	PART COLOR NO. CODE	DESCRIPTION	PART
1 1	731-022		Steering Wheel Cap		28	734-0960	Front Wheel A 3s'y, Comp.	
2	712-015	8]	Hex Cent. L-Nut 5/16-18 Thd.		29	734-0961	Front Wheel Rim Only	
3	;736-027	5	FI-Wash. 5/16" I.D. x 1 00" O.D. x .057			734-0498	Front Wheel Tire Only 15 x 6.00	
4	731-035		Steering Wheel	1		734-0255	Air Valve	
5	741-022	5	Plastic Hex Bearing 5/8" I.D.		30	731-0484	Dust Cover	
6	13843		Dash Panel Ass'y.		31	714-0121	Cotter Pin 5/32" Dia. x 1.00"	
7	710-025	8	Hex Scr. ¼-20 x .62" Lg.				Lg.*	
8	712-011	3	Wing Nut Plastic 1::-20 Thd.	1	32	710-0180	Hex Scr. 3/8-24 x .75" Lg.	
9	12614		Battery Hold Down				Grade 5	
10	725-045		12-V Battery		33	736-0133	FI-Wash. 3/8 I.D. x 1.25 O.D.	
11	736-032		L-Wash, 'a" Scr.*				x .090	
12	712-028		Hex Nut 14-20 Thd."		34	741-0199	Flange Double "D" Brg. ,753	
13	710-059	9	Hex Thd. Rolling Scr. 14-20				I.D.	
			x .50" Lg.		35	12749	Steering Arm Shaft Ass'y.	
14	711-022	2	Battery Hold Down Rod		36	748-0236	Side Gear—Steering	
15	13379	j	Battery Plale		37	736-0105	Bell. Wash. 3/8" I.D.	
16	710-053		Hex Scr. 5/8-18 x 2.50" Lg.*		38	712-0237	Hex Cent, L Nut 5/16-24 Thd.	
17	736-015		L-Wash. 5/8" Scr. '		39	736-0264	FI-Wash, 5/16" I.D. x ,62 O.D.	
18	712-092	3	Hex Cent. L-Nut 5/8-18 Thd.				x .059	
19	13865		Front Pivot Bar Ass y		40	748-0237	Pinion Gear—Steering	
20	13839	_	Front Axle Ass'y.—L.H.		41	747-0302	Drag Link	
21	736-016		L Wash, 3/8" Scr		42	710-0670	Hex Nylon Scr. 3/8-16 x 1,25"	
22	712-024		Hex Nut 3/8-24 Thd.	·			Lg.	
23	723-015		Ball Joint Ass y		43	712-0798	Hex Nut 3/8-16 Thd.*	
24	747-030	1	Tie Rod		44	12850	Steering Gear Sup. Ass'y.	
25	13838	_	Front Axle Ass'y.—R.H.	. [45	738-0317	Steering Shaft	
, 36	736-031		Fl-Wash780 l.D. x 1.59 O.D.		46	736-0169	L-Wash. 3/8" Scr.	
7	741-029	3	Flange Bearing		47	712-0241	Hex Nut 3/8-24 Thd.*	



PARTS LIST FOR DECK LINKAGE MODEL 13720-1

	REF.	PART COLOR NO. CODE	DESCRIPTION	NEW PART	REF.	PART COLOR NO. CODE	DESCRIPTION	NEW PART
	1	720-0157	Grip	Ī	23	736-0322	Flat Wash. 7/16" I.D. x	
ļ	2	14233	Lift Handle Ass'y.		l	•	1.25 O.D. x .180 Thk.	
1	3	710-0442	Hex Scr. 5/16-18 x 1.50" Lg.*		24	756-0342	Two-Step Engine Pulley	
,	4	748-0274	Lift Shaft Drive		25	710-0502	Hex Wash, Hd. Scr. 3/8-16 x ;	
	5	741-0225	Plastic Hex Brg 5/8" I.D.				1.25" Lg.	
١	6 9	14231	Index Brkt. Deck Lift		26	710-0600	Hex Thd. Rolling Scr. 5/16-24	
-	9	714-0118	Sq. Key ¼ " x ¼ " x 1.50")	2.7	700 0 . 05	x .50" Lg.	
	10	747 0010	Lg.	ì	•	738-0435	Running Board Rod	
-	11	747-0216 736-0171	Belt Guard Lock Pin		28	14170	Index Brkt, Reinforcement	
-		1710-0757	L-Wash, 7/16" Scr. 1		30	734-0760	' Plate Rear Wheel Ass'y. Comp.	
1	13	747-0320	Hex Scr. 7/16-20 x 1.50" Lg. Belt Guard		31	734-0448	Rear Wheel Rim Only	
1	14	13889	Lift Shaft Ass'y.	Ì		734-0748	Rear Wheel Tire Only 18 x	
1	15	13895	Lift Pivot Brkt. Ass'y.			1	9.50	
1	16	13791	Link (Deck)		32	736-0242	Beileville Wash, 345 I.D. x	
-	17	736-0192	Fl-Wash. 1/2" I.D. x 1,00"				.88 O.D.	
			O.D. x .090)	33	710-0627	Hex Bolt 5/16-24 x .75" Lg.	
١	18	714-0474	Cotter Pin 1/8" Dia, x .75"			712 0158	Hex Cent. L Nut 5/16-18 Thd.	
		711 0005	Lg.		37 ا	7 10-0237	Hex Scr. 5/16-24 x .62" Lg.	•
ľ	19	741.0295	Nyliner 5/8" I.D. x .88" Lg.		:38	736-0119	L-Wash. 5/16" Scr.*	
	20	738-0445	Shld. Scr. 5/8" Dia96"		39	712-0181	Hex Top L-Nut 3/8-16 Thd.	
Ц	21	13790	Lg. 3/8-16			732-0369 738-0392	Compression Spring Deck Connecting Rod	•
	22	738-0296	Connecting Link			712-0123	Hex Nut 5/16-24 Thd.	
	22	7.00.0200	Shld. Scr437 Dia. x .268 Lg. 5/16-18		7-2	1 12-0125	110x 14dt 5/10-24 11ld.	

^{*}For faster service obtain standard nots, bolts and washers locally, if these items cannot be obtained locally order by part number and size as shown on parts list.

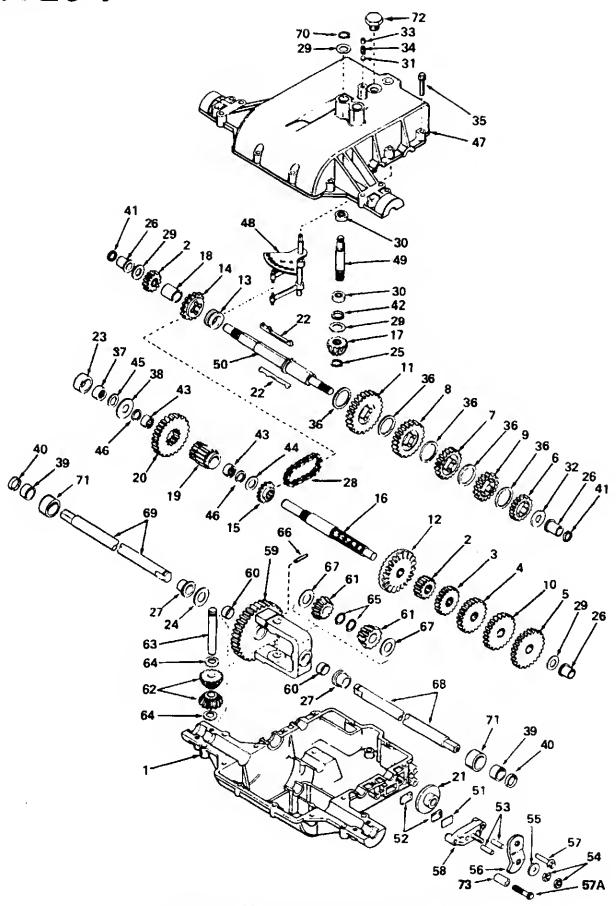
The engine is not under warranty by the mower manufacturer. If repairs or service is needed on the engine, please contact your nearest authorized engine service outlet. Check the "Yellow Pages" of your telephone book under "Engines — Gasoline."



13720-1 20. NOTE LONG HUB SIDE OF PULLEY (Ref. No. 66) MUST GO UP. 48

PARTS LIST FOR 38" DECK MODEL 19765-1

	PARTS LIST FOR 38" DECK MODEL 19765-1								
REF.	NO.	COLOR CODE	DESCRIPTION	NEW PART	REF.	PART COLOR NO. CODE	DESCRIPTION	NEW PART	
1	13866		Deck Stabilizer		37	712-0123	Hex Nut 5/16::24 Thd.*		
2	714 01	11	Cotter Pin 3/32" Dia. x 1.00"		38	710-0117	Hex Bolt 5/16-24 x 1.00" Lg.*	:	
	7000.		Lg.		39	710-0459	Hex Bolt 3/8-24 x 1.50" Lg.*		
3	736-019	92	FI-Wash50" I.D. x 1.00"	}	40	736-0217	L-Wash. 3/8" I.D. Heavy Duty		
1.	4000-		O.D. x .090 Thk.		41	742-0122	19" Blade		
4	13867		Diagonal Brace		42	10769	Blade Adapter Kit	l	
5	714-014		Hairpin Cotter		43	714-0365	#6 Hi-Pro Key 5/32 x 5/8" Dia.		
6	738-039		Deck Connecting Rod		44	13703	Bearing Shield	1	
7	726-010		Push Cap ¼ " Rod	i l	45	750-0142	Spacer .790" I.D, x 1.0" O.D.		
8	746-020	37	Brake Cable Ass y				x .315 Lg.		
10	13908	- 0	Spindle Brake Arm Ass'y.		46	09164	Deck Reinforcement Plate		
	732-025	วบ	Extension Spring] [47	711-0255	Blade Spindle	1	
11	14091		Hanger Brkt. Ass'y.—L.H.		48	11633	Chute Cover Ass y, Comp.		
12	14092		Side		49	11396 .	Adapter Plate	[
12	14092		Hanger Brkt. Ass'y.—R.H.		50	711-0570	Hinge Pin	1 1	
13	712.026	:7	Side	1	51	732-0261	Torsion Spring		
14	736-01		Hex Nut 5/16-18 Thd.*		52	710-0289	Hex Bolt ¼-20 x .50" Lg.*		
15	710 059		L-Wash. 5/16" I.D.		53	710-0342	Hex Bolt 3/8-16 x 1.25" Lg.*	li	
'	7 10.005	פי	Hex Wash, Hd. Self-Tap Scr. ¼-20 x .50" Lg.		54	748-0279	Shoulder Spacer		
16	14096		Spindle Brake Pivot Brkt.		55	712-0181	Hex Jam L-Nut 3/8-16 Thd.		
17	736-014	11	Wave Wash438" I.D. x		56	736-0219	Belleville Wash400" I.D. x	i l	
W	100-01-	' '	.750" O.D. x .15 Thk,		[ج	700.0070	1.13" O.D. x .030		
18	738-015	5	Shid. Bolt .437" Dia. x .162"		57	738-0373	Shid. Bolt .498 Dia. x 1.53"		
, ,	1000.0	~	Lg. 5/16-18 Thd.		58	734-0973	Lg.		
19	711-070)1	Clevis Pin 14" Dia. x 1.00"		50	734.0973	Deck Wheel 5" Plastic—		
			La.		59	736-0105	Comp. Belleville Wash400" I.D. x		
20	714-010	00 l	Hairpin Cotter W " Dia.		25	750-0105	.88" O.D. x .060		
21	14090		Upper Belt Guard-L.H. Side	1	60	10937	Wheel Pivot Bar—Deck		
22	712-028		Hex Nut 1/4-20 Thd.*		61	14082	Spring Lever Ass'y, w/Knob		
23	736-032	9	L-Wash. ¼ " I.D.		62	09080	Wheel Brkt.—R.H		
24	14089	- 4	Lower Belt Guard-L.H. Side		63	736-0329	L-Wash. ¼ " I,D.*		
25	756-034		Deck Drive Pulley		64	712-0287	Hex Nut 1/4-20 Thd.*	1	
26	754-025	51	"V"-Belt 1/2" x 51.0" Lg.	1 1	65	710-0399	Sems Truss Hd. Scr. 5/16-18		
			(Kevlar) "A" Sec.				x .50" Lg.*	- 4	
27	14088		Spindle Spacer Plate		66	756-0352	Pulley 4.75" O.D.		
28	09082		Wheel BrktL.H. Side	1	67	736-0158	L-Wash. 5/8" I.D.*	1	
29	14087		38" Deck Ass'y.	1	68	712-0242	Hex Jam Nut 5/8-18 Thd.		
30	732-012	1	Extension Spring		69	14095	Belt Guard (R.H. Side)		
31	14097		Deck Idler Brkt.	1 1	70	756-0293	4" "V"-Idler Pulley		
32	712-037	o	Hex Cent. L-Nut 3/8-16 Thd.		71	710-0342	Hex Bolt 3/8-16 x 1.25" Lg.*		
33	08253	0	Bearing Housing		72	754-0250	"V"-Belt .50" x 53.0" Lg. (4L)		
34	741-091	ש	Ball Brg787 I.D. x 1.85 O.D. x .55		76	726-0292	Speed Nut 1/4-20 Thd.		
35	710-032	2	x .55 Hex Bolt 5/16-18 x 1.0" Lg.*		77	738-0140	Shid. Bolt .437" I.D. x .185"		
36	738-046		Blade Spindle	- 1	ĺ		Lg. 5/16-18 Thd.		
30	130-040		Diade Spiriule						



TRANSAXLE MODEL NO. 813, 813A 717-0448

PEERLESS TRANSAXLE MODELS 813 & 813A

	i= .				
REF.	NO.	DESCRIPTION	REF.	PART NO.	DESCRIPTION
1	PE 770069A	Case, Transaxte	36	PE-780108	Washer, Thrust
2	PE-778136	Gear, Spur (15 Teeth)	37	PE-780111	Bearing, Needic
		(Model 813)	38	PE-780113	Washer, Flat
2	PE-778145	Gear, Spur (12 Teeth)	39	PE-530105	Bearing, Needle
	İ	(Model 813A)	40	PE-788042	Seal, Oil
3	PE 778126	Gear, Spur (20 Teeth)	41	PE-788051	Ring, Square Cut
4	PE-778127	Gear, Spur (25 Teeth)	42	PE-792001	Ring, Square Cut
	PE-778129	Gear, Spur (30 Teeth)	43	PE-780112	Bearing, Needle
	PE-778121A	Gear, Spur (20 Teeth)	44	PE-780114	Washer, Flat
	PE 778123	Gear, Spur (25 Teetn)	45	PE-788052	Ring, Square Cut
8	PE-778124	Gear, Spor (30 Teeth)	46	PE-788053	Ring, Square Cut
9	PE-778122	Gear, Spur (22 Feeth)	47	PE-772077A .	Cover, Transaxle
10	PE-778128	Gear, Spur (28 Teeth)	48	PE-784290 :	Rod and Fork Ass'y., Shift
11	PE-778125	Gear, Spur (35 Teeth)	49	PE-776140 ,	Shaft, Input
		(Model 813)	50	PE-776184	Shaft, Brake
11	PE-778146	Gear, Spur (37 Teeth)	51	PE-790007	Plate, Brake Pad
''	,	(Model 813A)	52	PE-790006	Pad, Brake
12	PE-778137	Gear, Bevel (42 Teeth)		PE-786026	Pin. Dowel
13	PE-784266	Collar, Shift	54	PE-792075	Lock Nut, 5/16-24
14	PE-786083	Sprocket (18 Teeth)	55	PE-792076	Washer, Flat
15	PE-786082	Sprocket (9 Teeth)	56	PE-790004	Lever, Brake
16	PE-776181	Shaft, Counter	57	PE-792073	Screw, Hex Hd. Thread Form-
. 17	PE-778113A	Bevel Pinion, Input		, - ,	ing, 1/4-20 x 11/4
18	PE-786074	Spacer	57A	PE-792085	Screw, Hex Hd. Thread Form-
19	PE-778138	Pinion, Output	, 0.,		ing, 14-20 x 21/4
	PE-778139	Gear, Output	58	: PE-790005	Holder, Brake Pad
	PE-790003	Disc. Brake		, PE-778053A	Gear Ass'y., Differential (Incl.
22	PE 792089 A	Key			2 of No. 60)
23	PE-786075	Spacer	60	PE-780064	Bushing
24	PE-780001	Washer	. 61	PE-778067	Gear, Bevel
	PE-788040	Ring, Retaining	62	PE-778068	Pinion, Bevel
	PE-780105	Bushing, Flanged	63	PE-786034	Pin. Drive
27	PE-780103	Bushing, Flanged	64	PE-780065	Washer, Thrust
28	PE-786081	Chain, Roller (No. 41 Chain,	65	PE-792018	Ring, Retaining
20	PE-700001	24 Links)	66	PE-792040	Pin, Roll
29	PE-780072	Washer, Thrust	67	PE-780001	Washer, Thrust
30	PE-780086	Bearing, Needle	68	PE-774420	Axle (14-7/8" Long)
	PE-780086	Ball, Steel	69	PE-774419	Axle (13-3/4" Long)
31	PE-780109	Washer, Thrust	70	PE-792035	Ring, Retaining
32		Screw. Set. 3/8-16 x 3/8	71	PE-786084	Spacer
33	PE-792078			PE-792074	Plug
34	PE-792079	Spring Screw, Hex Hd. Thread	73	PE-786066	Spacer
35	PE-792073	Forming, 14-20 x 114	:	1 2 100000	Operation .
	4	comming, 13720 X 113			

NOTE. This unit is not under warranty by the mower manufacturer. All Part Orders and Service must be handled through the local Authorized Tecumseh Service Dealer.



PEERLESS MODEL 813

This unit is under warranty by Tecumseh Products Company. Parts and Service are available through all Tecumseh, Lauson Power Products Service Dealers. Check the "Yellow Pages" of your telephone directory under "Engines—Gasoline

YARD-MAN PARTS INFORMATION

POWER EQUIPMENT PARTS ANOSERVICE

ALAD AREA

Parts and service tor all YARD-MAN manufactured power equipment are available through the authorized service distributors listed below. All orders should specify the model number of your unit, parts numbers, description of parts and the quantity of each part required. DO NOT SEND PARTS ORDER TO FACTORY. Contact distributor for name of local dealer.

ALABAMA	FLORENCE
8.M. Ingram Inc	6910 Florence Blvd 35630
Sherer Sales	P.O. Boy 538 25501
Power Edge Coro	MALVERNHwy. 270 North 72104 GARDENA
CALIFORNIA	GARDENA
Quality Mower Dist	GARDENA 15100 Crenshaw Blvd 90249
Pearson's Lawn Mower	ORANGE
Impossible Equipment Co. Inc.	WEST SACRAMENTO 1880 Enterprise Blvd. 95691
COLORADO	STERLING
Stickney's	STERLING 101 Main St
Turf Fouit and Parts	WHEAT RIDGE 8035 West 44th St 80033
FLORIDA Florida Outdoor Equip. Co	ORLANOO
Florida Catador Equip. Co	4602 Parkway Commerce
GEORGIA	Blvd
GEORGIA Henderson Equipment Co	Rt. 19 S. Glenwood Rd.
ILLINOIS	P.O. Box 2054 31021
Quadstate Power Inc	P.O. Box 2054
INDIANA	3232 N. Route 23 61350
Lung Kashilanas O.	3675 North Wetls
KENTUCKY	3675 North Wells Box 96
Cayce Mill Supply Co	505 East First St. 42240
MAINE	BANGOR 725 Broadway
MACS ACHICETTO	725 Broadway 04401
MASSACHUSETTS Crandall Hicks Co.	SOUTHBORO
Ideal Mower Sales, Inc	811 Woodward
Jac Van Diet Jon	GRAND RAPIDS . 4350 Airwest S.E 49508
vac van bisti, inc	JACKSON
Factory Branch	440 East Prospect 49203
MINNESOTA Power Tools Inc	ST. PAUL
Power Fools Inc	3771 Sibley Memorial
MISSOURI	Hwy 55122
MISSOURI Ozark Equip. Co., Inc	Hwy. 63 & Black St., Box
	794 05404
MONTANA Parker Montana Co	BfLLINGS
VEW MEXICO	2100 SIXTH Ave59101
NEW MEXICO Southwest Toro, Inc	3700 Edith Blvd M.E.
TTTT TOTAL TOTAL THE TELEVISION TO THE TELEVISION THE TELEVISION TO THE TELEVISION TO THE TELEVISION TO THE TELEVISION TO THE TELEVISION THE TELEVISION TO THE TELEVISION TO THE TELEVISION THE TELEVISION THE TELEVISION THE TELEVISION THE TELEVISION THE TELEVISION THE TELEVISION THE TELEVISION THE TELEVISION THE TELEVISION THE TELEVISION THE TELEVISION THE TELEVISION THE	P.O. Box 6307 87107

BRIGGS & STRATTON, TECUMSEH AND PEERLESS PARTS A SERVICE

Briggs & Stratton, Tecumseh and Peerless parts and service should be handled by your nearest authorized engine service firm. Check the yellow pages of your telephone directory under the listing Engines—Gesoline, Briggs & Stratton or Tecumseh Lauson.

NEW YORK	ROCHESTER 75 Stilson St 14604
Morris Dist. Co.	75 Stilson St.
	SYRACUSE 1153 W. Fayette St 13201
Morris Oist. Co	1153 W. Fountto CA 40004
NORTH CAROLINA	WINSTON SALEM
Carswell Dist. Co.	WINSTON-SALEM3750 N. Liberty St., Box 4193
	North Station
ОНЮ	CLEVELANO
Tecca Dist. Co.	AZAZMANU
	Ava
	North Station 27105 CLEVELANO 4747 Manufacturing Ave
Ideal Mower Sales Inc	2700 D Double and a second
OKLAHDMA	DKI AHOMA OLTV
Moore Cycle & Supply	DKLAHOMA CITY 1537 W. Main St 73106
OREGON	REAVERTON (3106)
R.M. Warle & Co.	BEAVERTON 10025 S.W. Allen Bivd97005
PENNSYLVANIA	MT DI FACANT
Valley Equip. Dist	MT. PLEASANT 203 N. Depot St 15666
TENNESSEE	RPISTOI
Mitchell Powers Howe Co.	BRISTOL Sth St. Extension37623
	Union City 37623 Union City 38261
Graves Dist. Co., Inc.	1318 Stad Avo
TEXAS	AUSTIN
Moore Cycle & Supply	AUSTIN 1606 Lost Creek Blvd . 78746
	DALLAS 8821 Diplomacy Rd 75247
Power Edge of Texas	8821 Diplomacy Rd 75247
Southwest Toro fnc	EL PASO
Southwest Toro fnc.	. 1628 Myrtle
	P.O. Box 51 799.
	FORT WORTH
Woodson Sales Corp	P.O. Box 51
UTAH	BOUNTIFUL
Powered Products	BOUNTIFUL . 485 N. 500W
VIRGINIA	BLUEFIELD
Bluefield Supply Co	BLUEFIELD St. Rte. 102, Box 112 24605
	LORTON
Ronconi Equip. Inc	LORTON 8815 Telegraph Rd 22079
0.14	LYNCHBURG
Bailey-Spencer Hardware Co	LYNCHBURG 1016-26 Commerce St 24505
	RICHMOND
Universal Tractor Equip. Corp	Box 5489, 928 N.
WASHINGTON R.M. Wade & Co	SEATTLE
H.M. Wade & Co	3931 Leary Way N.W 98107
WfSCONSIN Merco Corp	MILWAUKEE
Merco Corp	5500 West Douglas
04114.04	Ave
CANADA	KITCHENER, ONTARIO
MID Products	97 Kent Ave N2G4J1

WARRANTY PARTS AND SERVICE POLICY

The purpose of warranty is to protect the customer from defects in workmanship and materials, defects which are NOT detected at the time of manufacture. It does not provide for the unlimited and unrestricted replacement of parts. Use end maintenance are the responsibility of the customer. The manufacturer cannot assume responsibility for conditions over which it has no control. Simply put, if it's the manufacturer's fault, it's the manufacturer's responsibility, if it's the customer's fault, it's the customer's responsibility.

CLAIMS AGAINST THE MANUFACTURER'S WARRANTY INCLUDES:

- 1. Reprecement of Missing Parts on new equipment.
- 2. Represement of Defective Parts within the warranty period.
- 3. Repair of Defects within the warranty period.

All claims MUST be substantiated with the following information:

- 1. Model Number of unit involved.
- 2. Date unit was purchased or first put into service.
- 3. Dete of failure Date Repaired.
- 4. Neture of fallure—Correction.